

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference H0001499 (H0	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 01/ 32018	International filing date (day/month/year) 11/10/2001	(Earliest) Priority Date (day/month/year) 13/10/2000
Applicant HONEYWELL INTERNATIONAL INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

SPUTTER TARGETS

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

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☐ None of the figures.

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International application No.

PCT/US 01/ 32018

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The abstract is changed as follows:

Line 1, after "target" insert "(100)";
line 2, after "surface" insert "(136)";
line 3, after "edge" insert "(105)", after "imprints" insert "(140)";
line 4, after "tool" insert "(120)".

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national Application No

PCT/US 01/32018

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages
A	US 5 589 040 A (NISHIMURA NAOKI) 31 December 1996 (1996-12-31) column 8, line 64 -column 9, line 41 ---
A	US 4 855 033 A (HURWITT STEVEN D) 8 August 1989 (1989-08-08) column 5, line 39 -column 8, line 4 ---
P,X	US 6 162 297 A (SUBRAMANI ANANTHA ET A) 19 December 2000 (2000-12-19) column 1, line 52 - line 62 column 3, line 24 - line 37 column 5, line 14 - line 16 -----

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	C23C14/34	H01J37/34 C23C14/56
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C23C		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data, IBM-TDB		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 269 894 A (KERSCHBAUMER JOERG) 14 December 1993 (1993-12-14) column 5, line 34 -column 7, line 5 ---	14 15-17,20
Y	US 5 755 887 A (KOSAKI KANO ET AL) 26 May 1998 (1998-05-26) column 1, line 25 - line 33 column 3, line 14 - line 32 column 5, line 60 -column 6, line 21 ---	1-6,10, 15-17,20
Y	WO 98 31845 A (BOTTOMFIELD LAYNE F ;BOTTOMFIELD ROGER L (US)) 23 July 1998 (1998-07-23) page 7, line 1 - line 21 page 10, line 13 - line 21 ---	1-6,10, 15-17,20
-/--		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. 'Z' document member of the same patent family		
Date of the actual completion of the international search 6 May 2002		Date of mailing of the international search report 14/05/2002
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Ekhuft, H

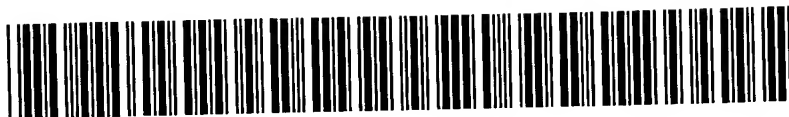
INTERNATIONAL SEARCH REPORT

Information on patent family members

National Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5269894	A	14-12-1993	DE	59208623 D1	24-07-1997
			EP	0512456 A1	11-11-1992
			JP	5171429 A	09-07-1993
			KR	263136 B1	01-08-2000
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			EP	0592174 A2	13-04-1994
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			DE	3787390 T2	16-06-1994
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1	IDS	3
2	FOR	9

Total number of pages: 12

Remarks:

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